

## EXECUTIVE SUMMARY

Prepared April 27, 2000

<b>Mine Name:</b> <u>Brown's Canyon Rock Quarry</u>	<b>I.D. No.:</b> <u>M/043/021</u>
<b>Operator:</b> <u>BMW Stone, Incorporated</u>	<b>County:</b> <u>Summit</u>
<u>7125 South 300 East</u>	<b>New/Existing:</b> <u>Existing Small Mine Operation</u>
<u>Salt Lake City, Utah 84047</u>	<u>Expanding to Large Mining Operations</u>
<b>Telephone:</b> <u>(801) 562-0852</u>	<b>Mineral Ownership:</b> <u>Fee</u>
<b>Contact Person:</b> <u>Mark Willes</u>	<b>Surface Ownership:</b> <u>Fee</u>
	<b>Lease No.(s):</b> <u>N/A</u>
	<b>Permit Term:</b> <u>Life of Mine</u>
<b>Life of Mine:</b> <u>10 years</u>	

**Legal Description:** SW/4 NW/4 and NW/4 SW/4 of Section 21, Township 1 South, Range 5 East, SLBM

**Mineral(s) to be Mined:** Sandstone.

**Acres to be Disturbed:** 9.1 acres

**Present Land Use:** Grazing/wildlife habitat

**Postmining Land Use:** Grazing/wildlife habitat

**Variances from Reclamation Standards (Rule R647) Granted:** None.

### Soils and Geology

**Soil Description:** Soils in the area are of the Ayoub-Dunford-Melling complex, and are classified as a well drained, cobbly loam. Topsoil depth ranges from 6 to 10 inches deep. Bedrock is intercepted from 20 to 40 inches deep.

**pH:** 6.4

**Special Handling Problems:** None anticipated.

**Geology Description:** Nugget sandstone, a pale-orange medium grained cross bedded sandstone of Triassic and Jurassic age. Bed dips at about 45 degrees in the project area.

### Hydrology

**Ground Water Description:** Depth to groundwater unknown. It is not expected to encounter groundwater during the life of this operation.

**Surface Water Description:** There are no surface waters in the project area. An ephemeral drainage is located to the west of the project. The current plan will not impact this drainage.

**Water Monitoring Plan:** Since there are no impacts expected to the surface and ground water systems, no water monitoring is required.

### **Ecology**

**Vegetation Type(s); Dominant Species:** Project area is located within the oakbrush/mountain shrubland vegetation zone. Dominant species include oakbrush, mountain sagebrush and western wheatgrass.

**Percent Surrounding Vegetative Cover:** approximately 60% (Based on preliminary site observations. A vegetation survey will be conducted within the surrounding areas prior to expansion of the site to a large mine status).

**Wildlife Concerns:** No special wildlife concerns.

**Surface Facilities:** Facilities include a maintenance shed, cement pad, and a portable crusher. The property is fenced to keep the public out. There is no fuel storage on site.

### **Mining and Reclamation Plan Summary:**

#### **During Operations:**

Sandstone is excavated from the ground using a backhoe. Once stone is removed, it is spread out with front end loaders and palletized for sale. Waste material is added to the dump, to be crushed for ground cover (landscape material). All trash and debris is collected and hauled to the county landfill. Warning signs are placed on the crown of the face while mining is in process. There is a fence around the property to keep the public out. The edge of the ephemeral drainage has been lined with large boulders to prevent any impact to this drainage.

#### **After Operations:**

All areas except the access road will be reclaimed. All structures will be removed. All slopes will be regraded to a slope of 3h:1v, or less. There will be no pit or highwall left at the end of mining. Compacted areas will be ripped. One foot of topsoil or other suitable plant growth material will be spread over all disturbed areas (except the access road) and amended with 5 tons per acre of composted manure. The disturbed area will be broadcast seeded with an approved seed mix that will provide quality cover and forage for grazing and wildlife habitat.

### **Surety**

**Amount:** \$25,000 in year 2004 dollars

**Form:** Unknown at this time

**Renewable Term:** 5 years